

4.3.3.2.2 *Deep Borehole Complex*

The environmental impacts described in the following sections are based on the analysis of the deep borehole complex for the Immobilization Disposition Alternative as described in Section 2.4.3.2.2. Environmental impacts for this facility are described in the context of a generic range of conditions that could exist at potential locations.

4.3.3.2.2.1 *Land Resources*

The deep borehole complex would disturb 63 ha (156 acres) of land during construction, of which 57 ha (141 acres) would be used during operation. The facility would be sited within a 1.6-km (1-mi) buffer zone for a total land requirement of 2,041 ha (5,044 acres). However, the potential site could range up to 20,000 ha (49,420 acres) of land area. If the borehole site were located on privately owned land, it would likely require the low to middle range of land area. If the site were located on publicly owned land (Federal, State, or local), the borehole could be part of a much larger site and could require the upper range of land area. Because no site has been identified for analysis, impacts to land use and visual resources cannot be determined at this time. If this alternative is selected, a siting study would be conducted in support of NEPA tiered documentation.